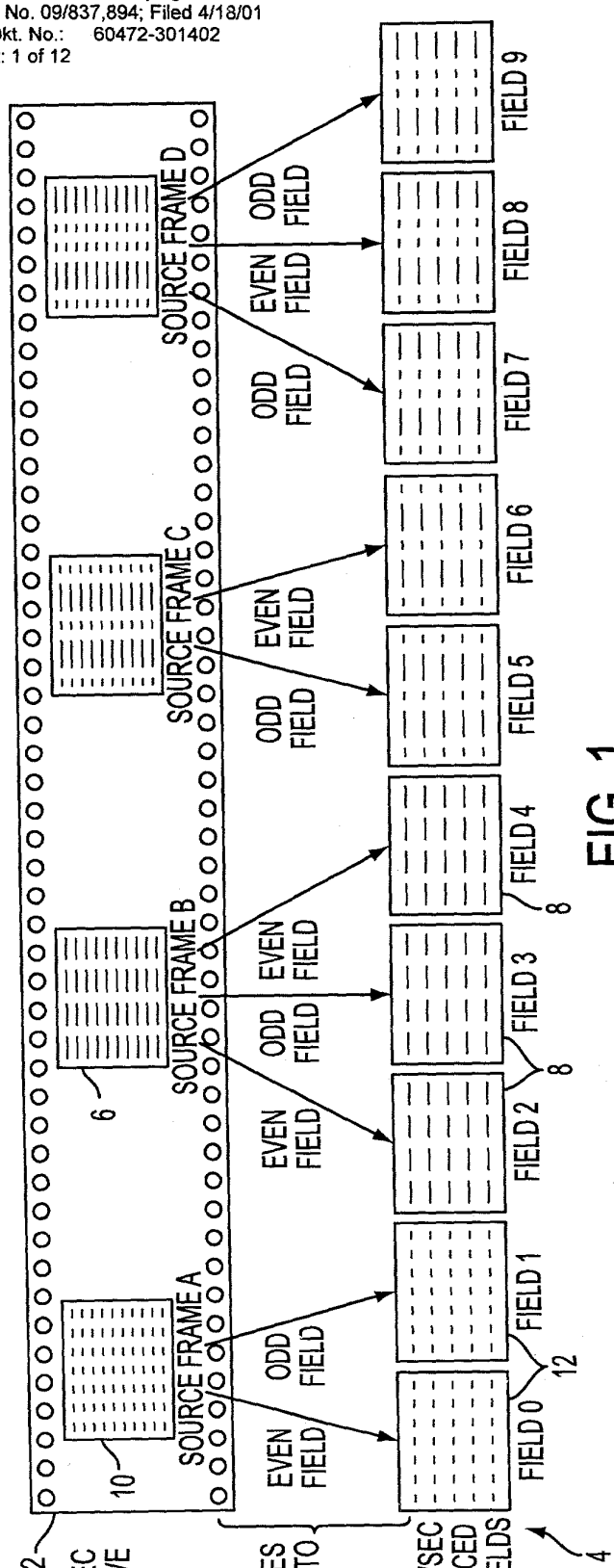

FIG. 1
(PRIOR ART)

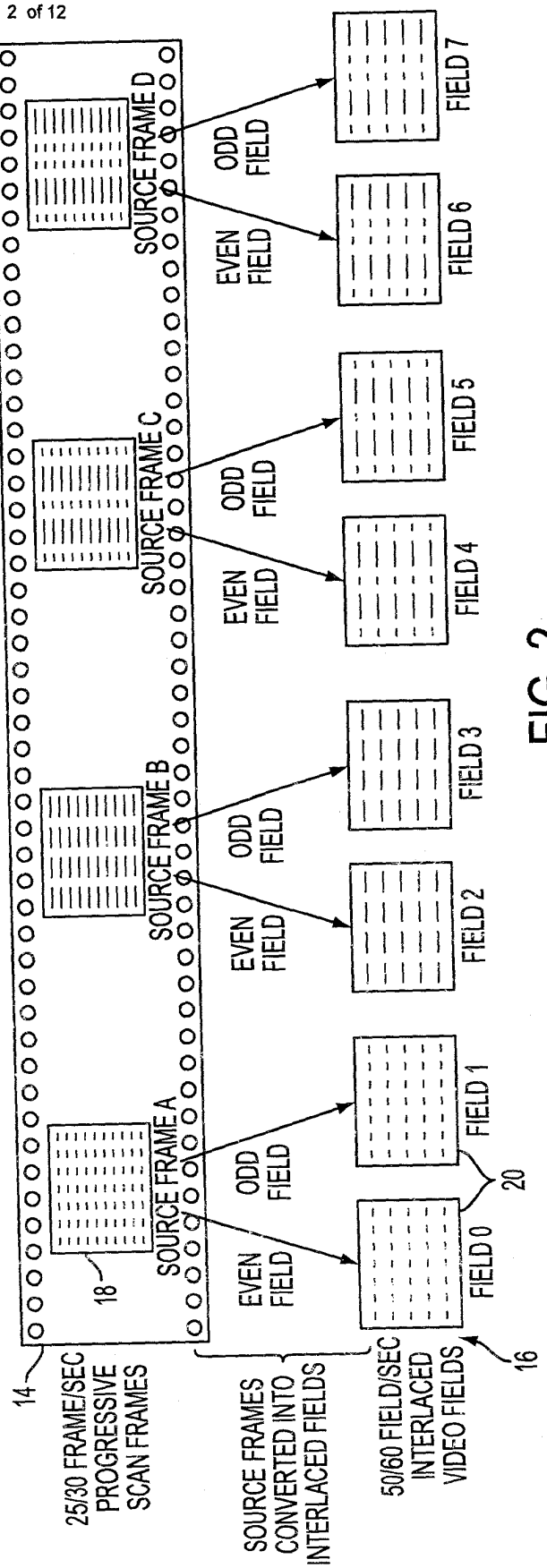

FIG. 2
(PRIOR ART)

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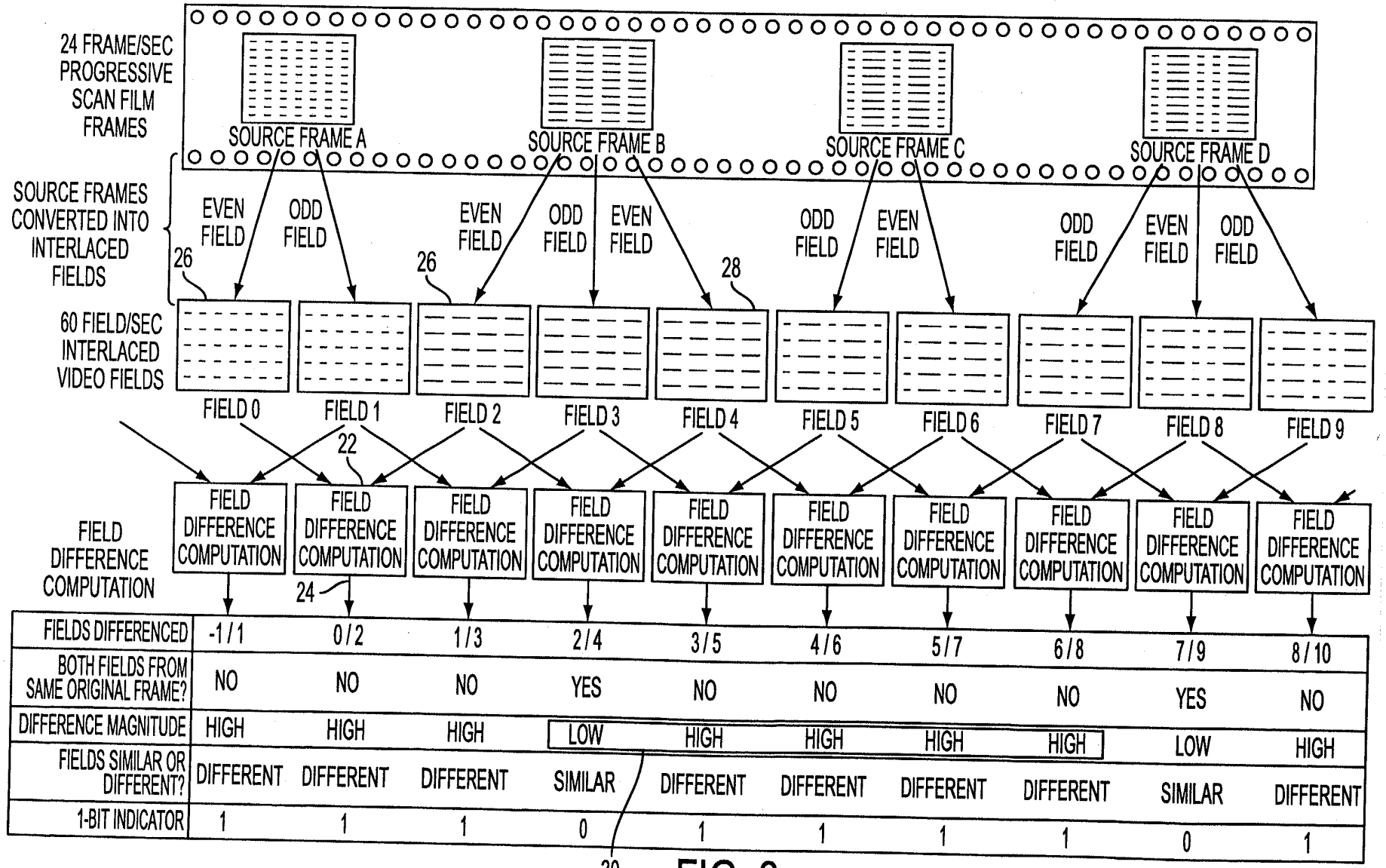
Serial No. 09/837,894; Filed 4/18/01
Atty Dkt. No.: 60472-301402
Sheet: 3 of 12



FIELDS DIFFERENCED	-1/1	0/2	1/3	2/4	3/5	4/6	5/7	6/8	7/9	8/10
BOTH FIELDS FROM SAME ORIGINAL FRAME?	NO	NO	NO	YES	NO	NO	NO	NO	YES	NO
DIFFERENCE MAGNITUDE	HIGH	HIGH	HIGH	LOW	HIGH	HIGH	HIGH	HIGH	LOW	HIGH
FIELDS SIMILAR OR DIFFERENT?	DIFFERENT	DIFFERENT	DIFFERENT	SIMILAR	DIFFERENT	DIFFERENT	DIFFERENT	DIFFERENT	SIMILAR	DIFFERENT
1-BIT INDICATOR	1	1	1	0	1	1	1	1	0	1

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FIG. 3
(PRIOR ART)

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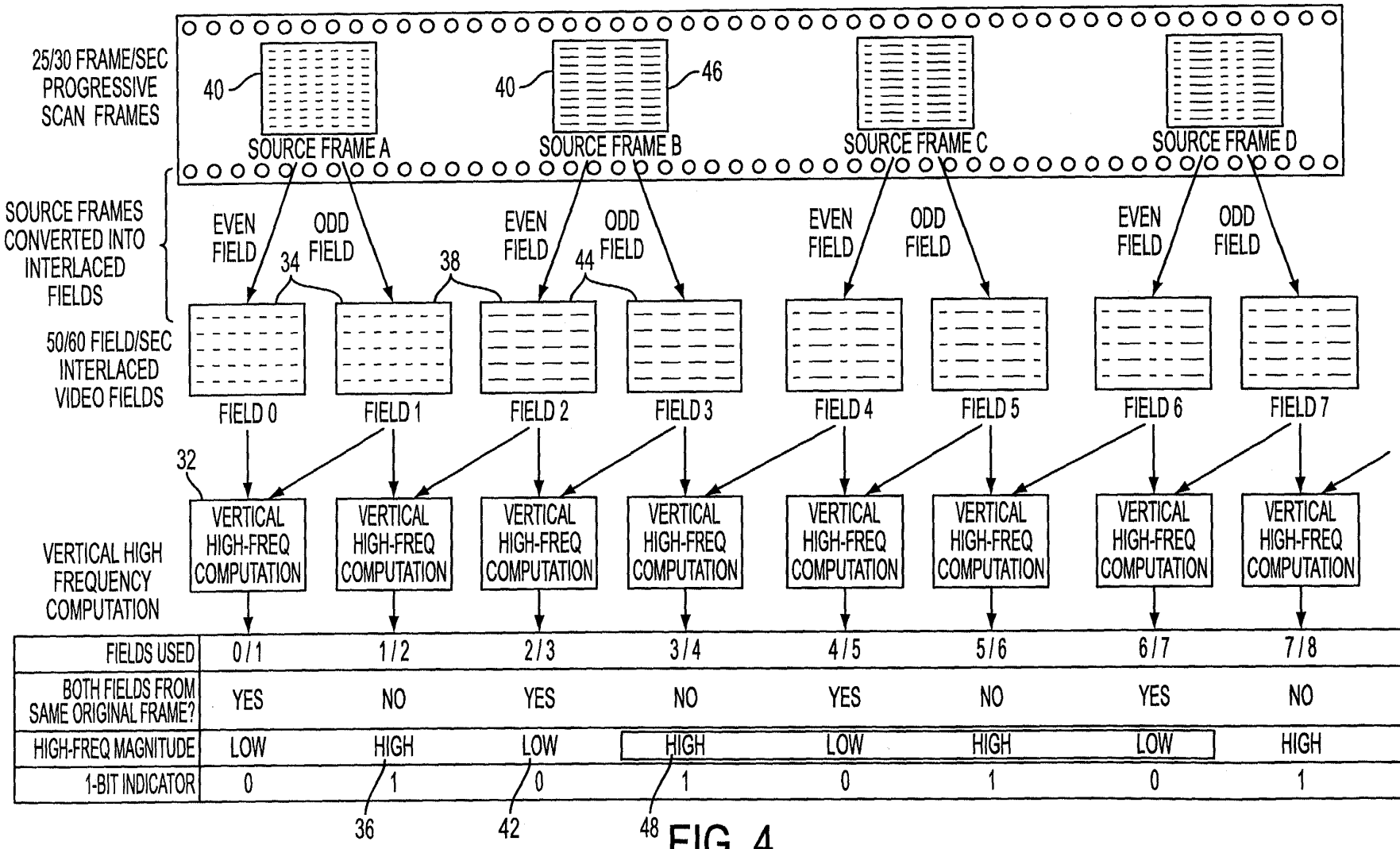

FIG. 4
(PRIOR ART)

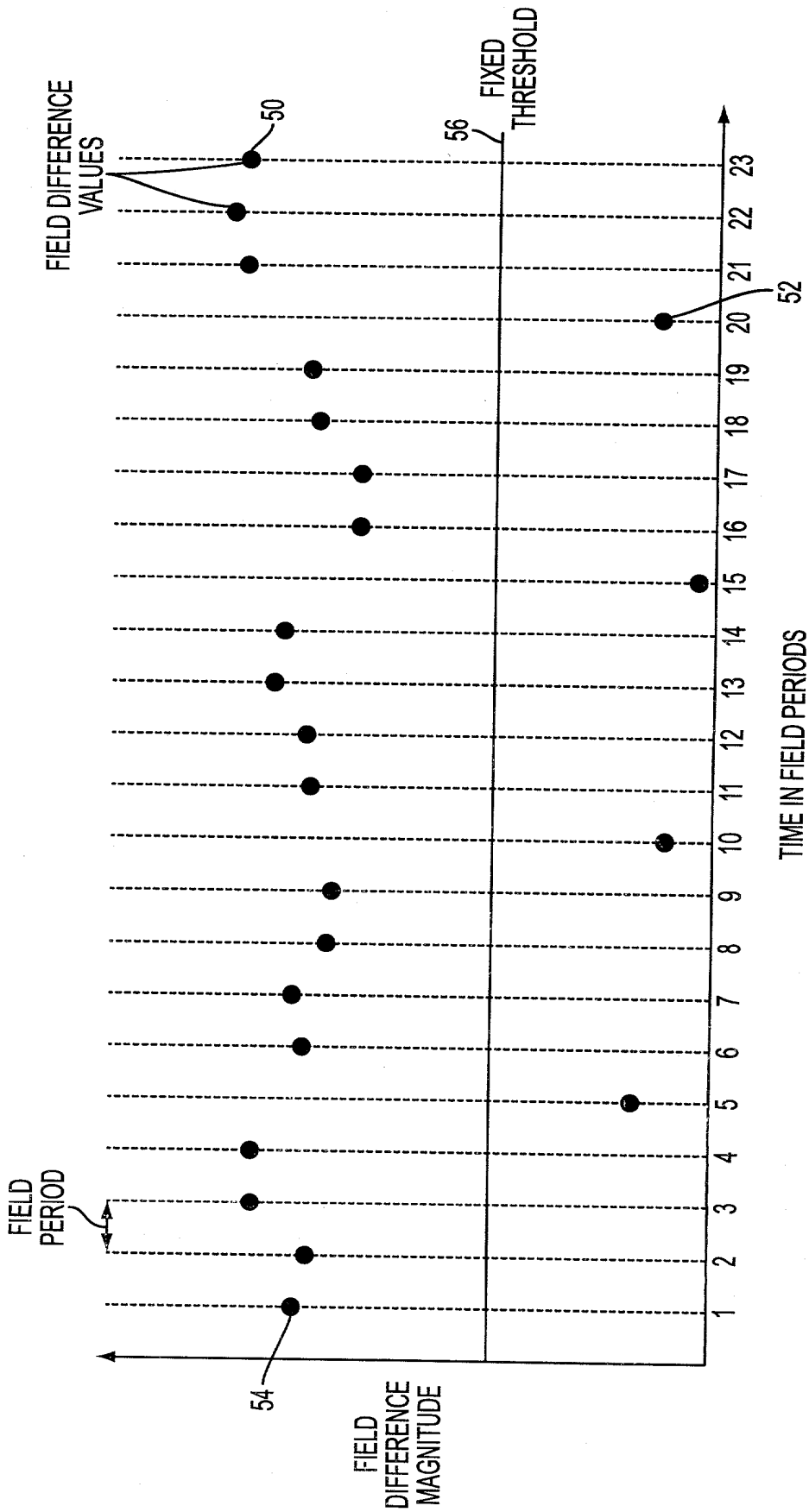

FIG. 5
(PRIOR ART)

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Manufacture for Identifying the Source...
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Atty Dkt. No.: 60472-301402
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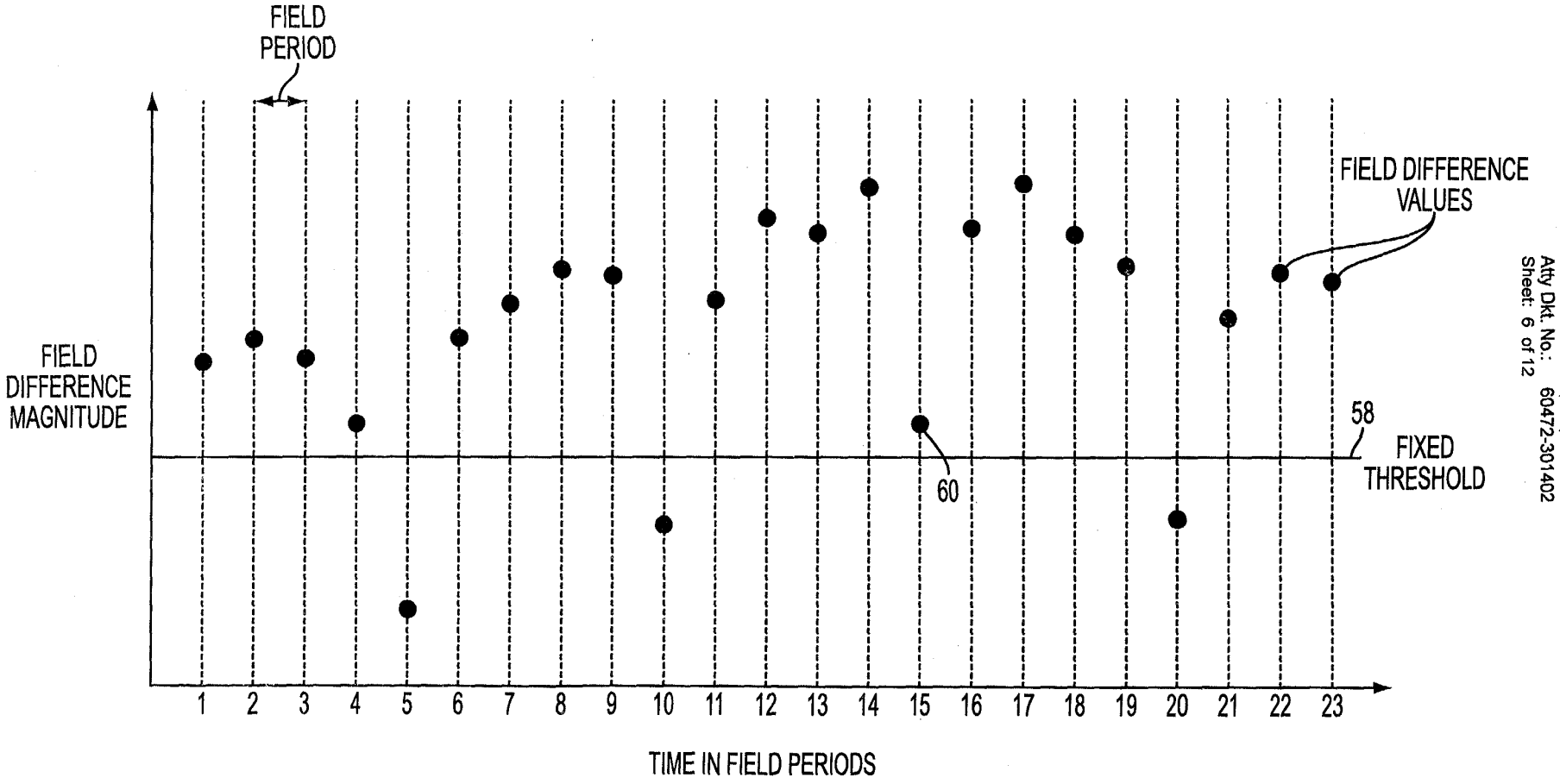

FIG. 6
(PRIOR ART)

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Manufacture for Identifying the Source...
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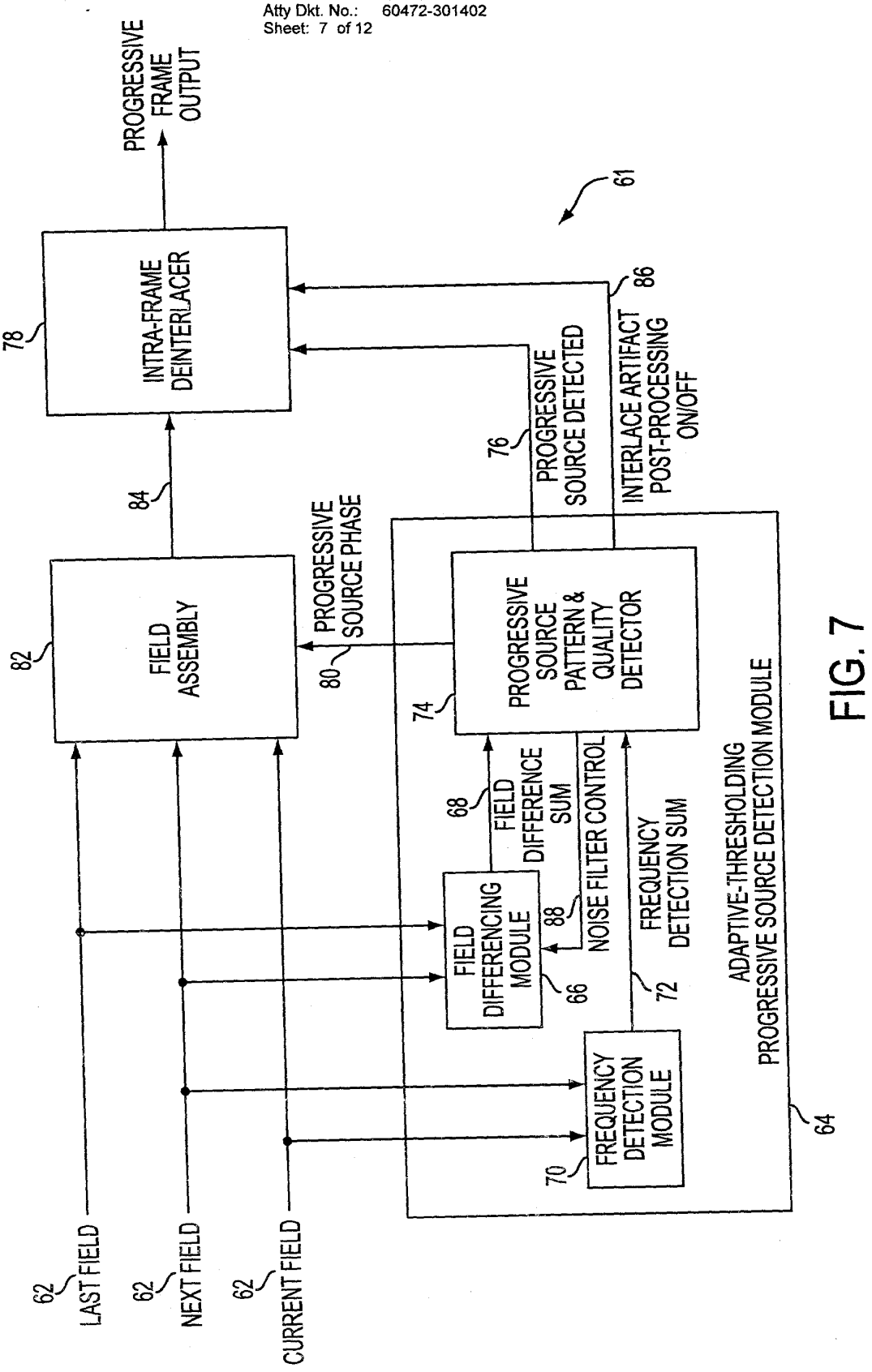

FIG. 7

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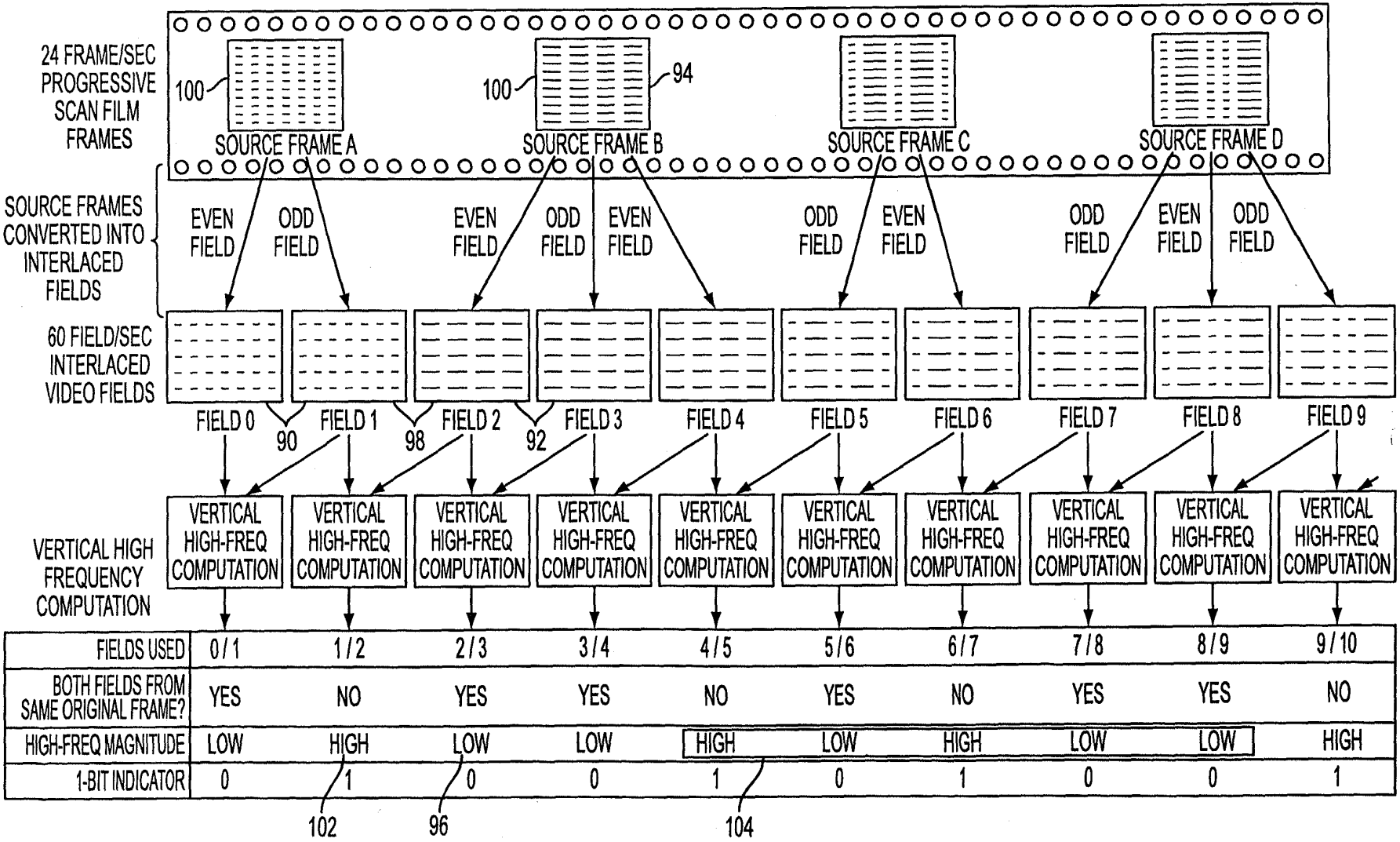

FIG. 8

Oppe... & Donnelly LLP
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Serial No. 09/837,894; Filed 4/18/01
Atty Dkt. No.: 60472-301402
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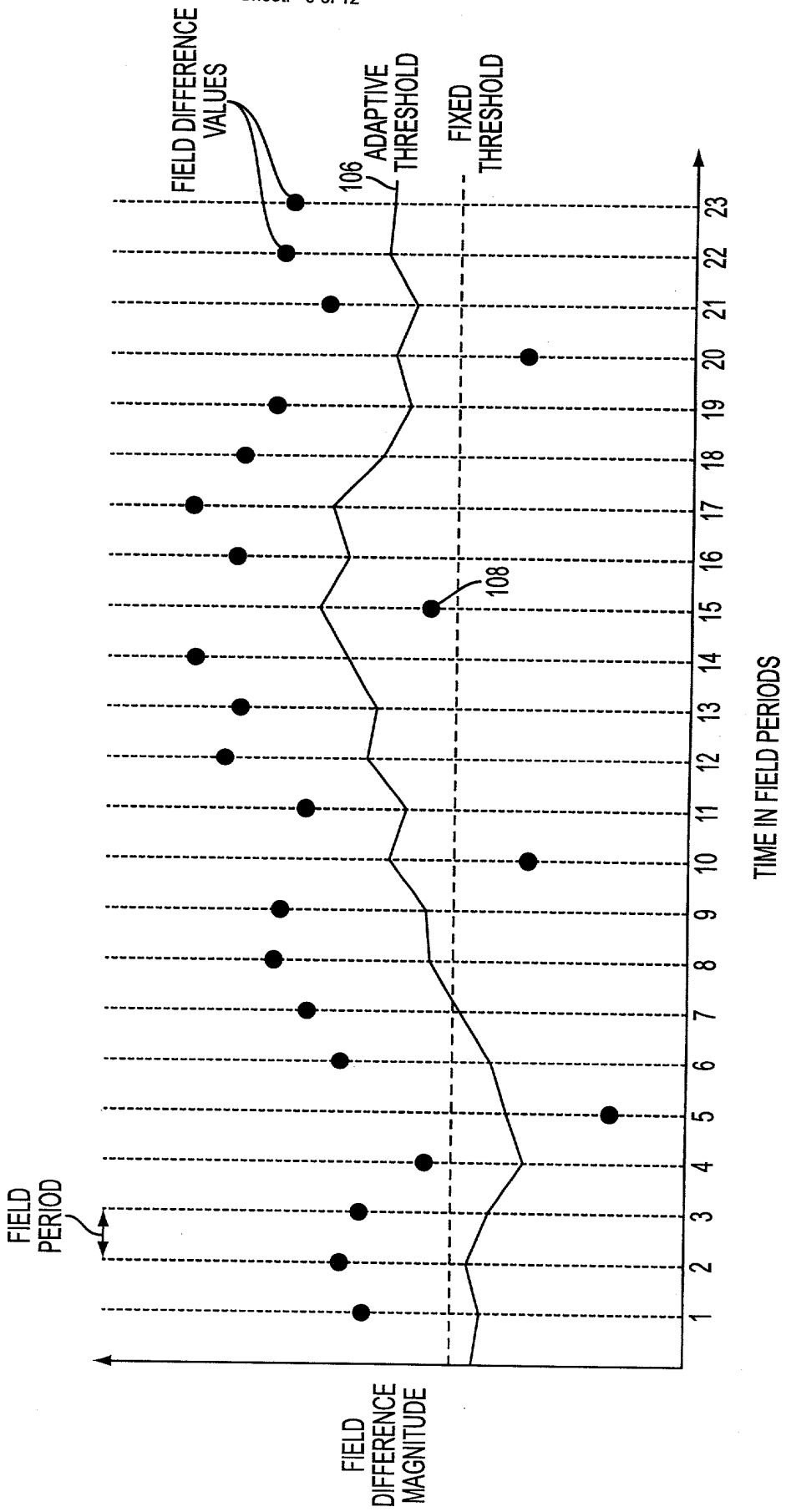

FIG. 9

Oppenheimer Wolff & Donnelly LLP
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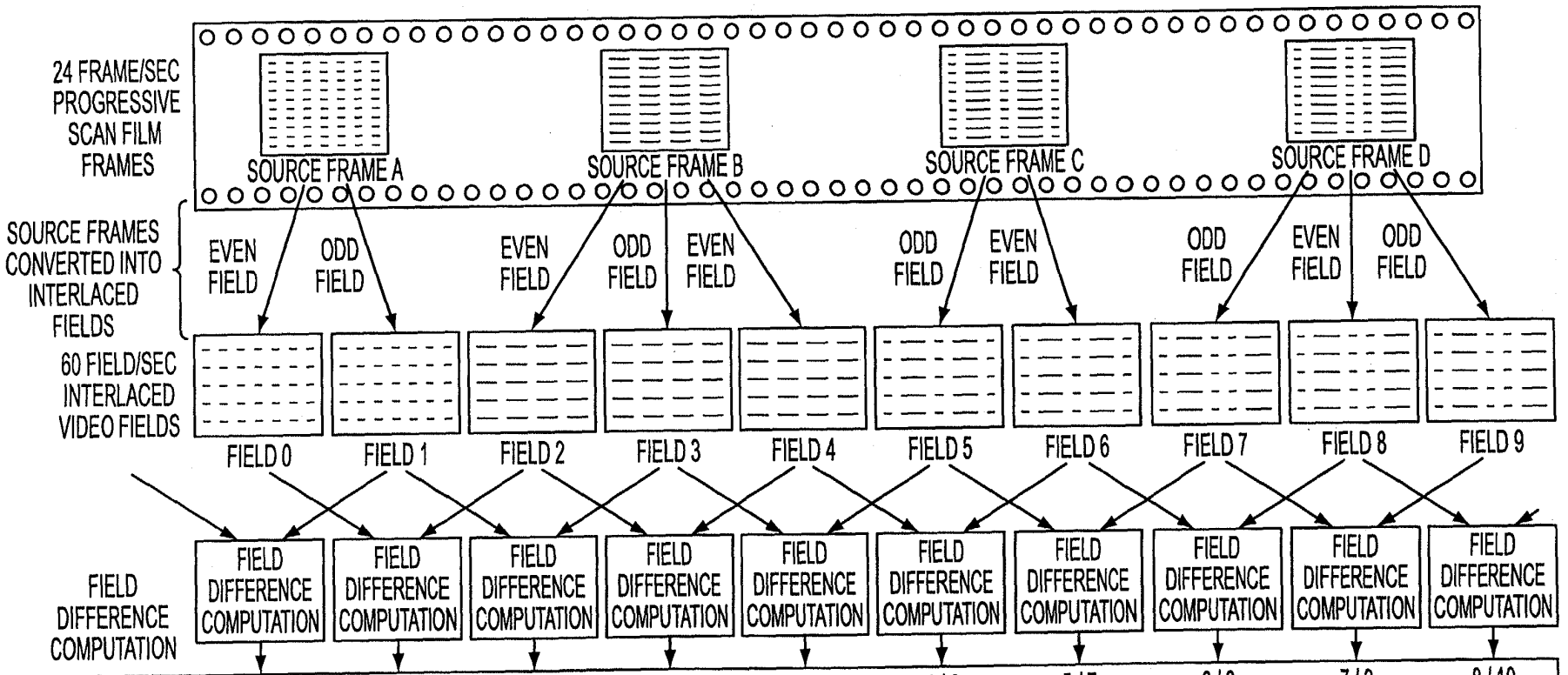

FIELDS DIFFERENCED	-1 / 1	0 / 2	1 / 3	2 / 4	3 / 5	4 / 6	5 / 7	6 / 8	7 / 9	8 / 10
SOURCE FRAMES	- / Ao	Ae / Be	Ao / Bo	Be / Be	Bo / Co	Be / Ce	Co / Do	Ce / De	Do / Do	De / Ee
BOTH FIELDS FROM SAME ORIGINAL FRAME?	NO	NO	NO	YES	NO	NO	NO	NO	YES	NO
DIFFERENCE MAGNITUDE	HIGH	HIGH	HIGH	LOW	HIGH	HIGH	HIGH	HIGH	LOW	HIGH
FIELDS SIMILAR OR DIFFERENT?	DIFFERENT	DIFFERENT	DIFFERENT	SIMILAR	DIFFERENT	DIFFERENT	DIFFERENT	DIFFERENT	SIMILAR	DIFFERENT
1-BIT INDICATOR	1	1	1	0	1	1	1	1	0	1

THIS PAIR OF FIELD DIFFERENCE VALUES HAVE SIMILAR MAGNITUDES SINCE BOTH COME FROM THE SAME ORIGINAL FRAMES

THIS PAIR OF FIELD DIFFERENCE VALUES HAVE SIMILAR MAGNITUDES SINCE BOTH COME FROM THE SAME ORIGINAL FRAMES

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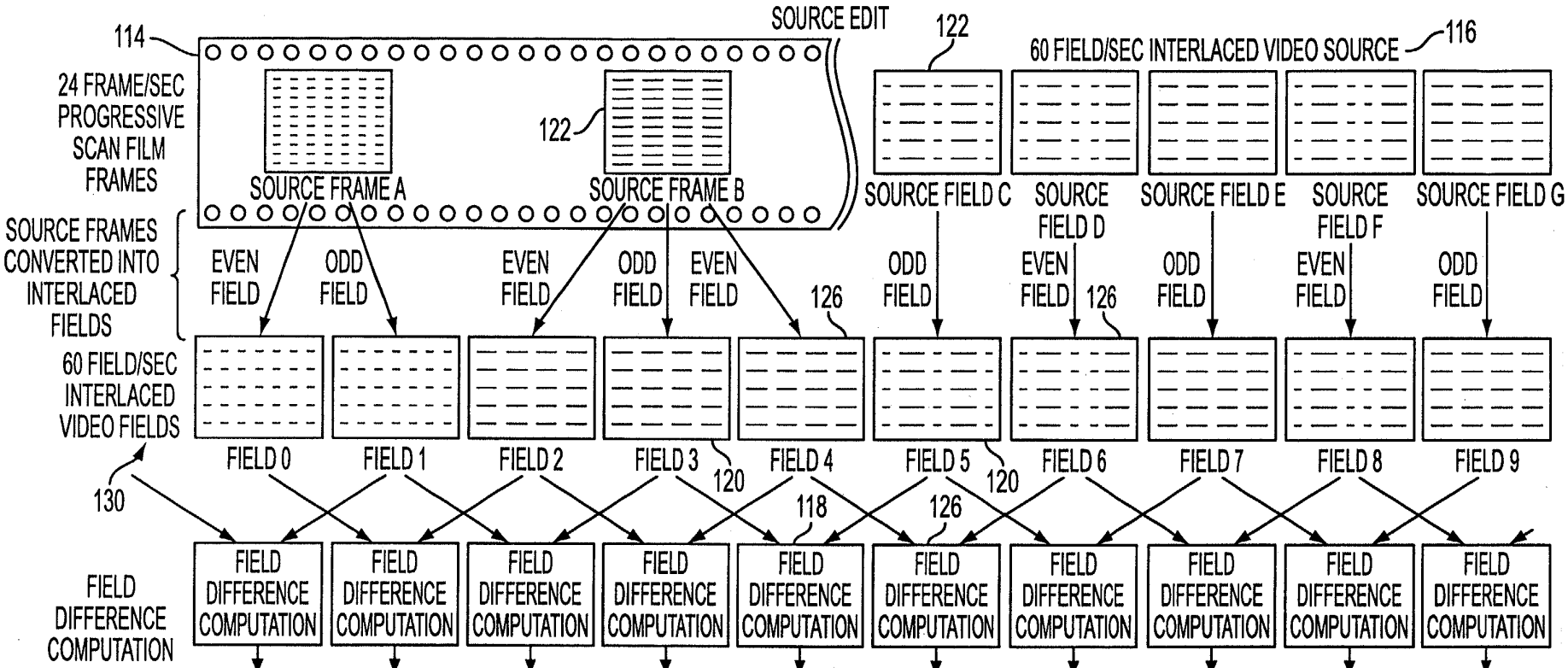
THIS PAIR OF FIELD DIFFERENCE VALUES HAVE SIMILAR MAGNITUDES SINCE BOTH COME FROM THE SAME ORIGINAL FRAMES

FIG. 10



FIELDS DIFFERENCED	-1 / 1	0 / 2	1 / 3	2 / 4	3 / 5	4 / 6	5 / 7	6 / 8	7 / 9	8 / 10
SOURCE FRAMES	- / Ao	Ae / Be	Ao / Bo	Be / Be	Bo / Co	Be / De	Co / Eo	De / Fe	Eo / Go	Fe / He
BOTH FIELDS FROM SAME ORIGINAL FRAME?	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO
DIFFERENCE MAGNITUDE	HIGH	HIGH	HIGH	LOW	VERY HIGH	VERY HIGH	HIGH	HIGH	HIGH	HIGH
FIELDS SIMILAR OR DIFFERENT?	DIFFERENT	DIFFERENT	DIFFERENT	SIMILAR	DIFFERENT	DIFFERENT	DIFFERENT	DIFFERENT	DIFFERENT	DIFFERENT
1-BIT INDICATOR	1	1	1	0	1	1	1	1	0	1

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THIS PAIR OF FIELD DIFFERENCE VALUES HAVE SIMILAR MAGNITUDES SINCE BOTH COME FROM THE SAME ORIGINAL FRAMES

THIS PAIR OF FIELD DIFFERENCE VALUES MAY HAVE DISSIMILAR MAGNITUDES SINCE THEY COME FROM DIFFERENT SOURCE FRAMES

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THIS PAIR OF FIELD DIFFERENCE VALUES MAY HAVE DISSIMILAR MAGNITUDES SINCE THEY COME FROM DIFFERENT SOURCE FRAMES

FIG. 11

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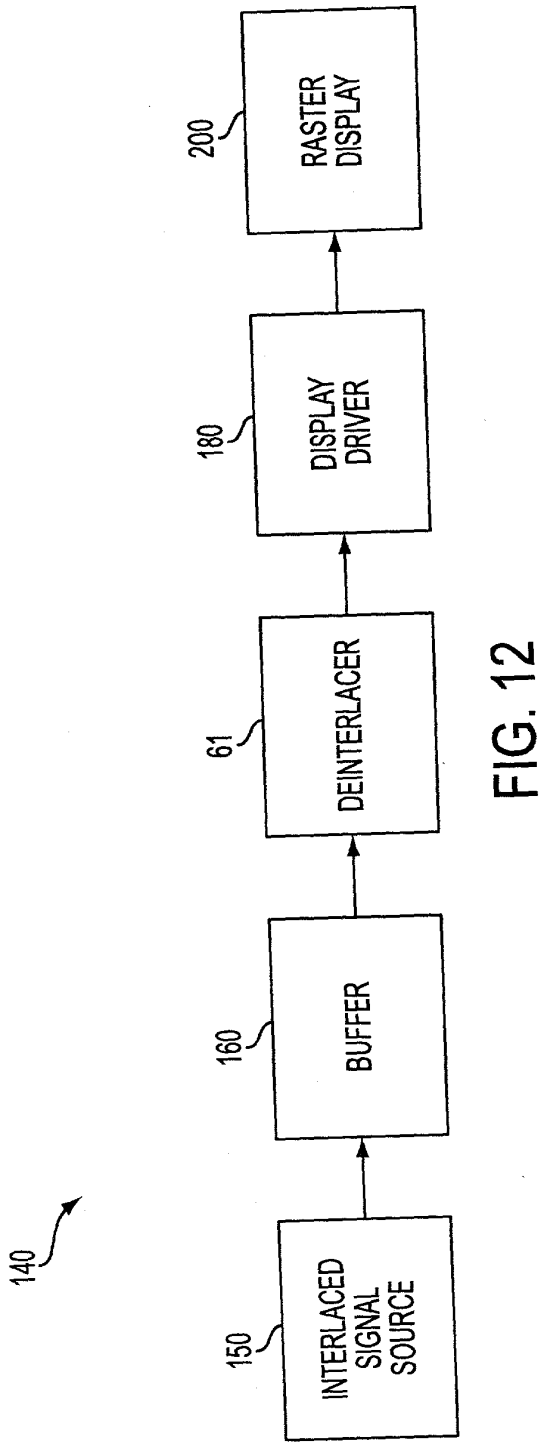
140
150
INTERLACED SIGNAL SOURCE
160
BUFFER
61
DEINTERLACER
180
DISPLAY DRIVER
200
RASTER DISPLAY

FIG. 12